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(54) Title: METHODS AND COMPOSITIONS FOR THE TREATMENT OF PROLACTIN-RECEPTOR RELATED DISORDERS

Human Growth Hormone

FPTIPLSRLF DNAMLRHRL HQLAFDITYQE FEEAYIPKEQ KYSFLQNPQT 50

SLCFSES IPT PSNREETQOK SNLELLRISL LLIQSWLEPV QFLRSVFANS 100

LVIYASDSNV YDLLKDLEEG IQTLMGRLED GSPRTGQIFK QTYSKFDTNS 150

HNDDALLKNY GLLYCFRKDM DKVETFLRIV QCRSVEGSCG F 191

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(57) Abstract: The present invention provides methods and compositions for the treatment, diagnosis, prevention, or amelioration of one or more symptoms of a prolactin receptor-related condition, including, for example, a cancer such as breast cancer or prostate cancer, by administering a growth hormone-based prolactin receptor antagonist and zinc, or administering a growth hormone-based prolactin receptor antagonist to a tissue with an effective local concentration of zinc. The invention further provides pharmaceutical compositions of growth hormone-based prolactin receptor antagonists and zinc useful in the methods of the invention.

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